

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A bicycle pedal assembly comprising:
a bicycle pedal including
a pedal shaft having a first end adapted to be coupled to a bicycle crank and a second end with a center rotation axis extending between said first and second ends,
a pedal body rotatably coupled to said second end of said pedal shaft about said center rotation axis of said pedal shaft, said pedal body having a first end and a second end,
a front clamping member coupled to said first end of said pedal body, said front clamping member having a front cleat engagement surface facing in a first direction toward said pedal body and a front pedal control surface facing in a rearward direction of said pedal body, and
a rear clamping member coupled to said second end of said pedal body, said rear clamping member having a rear cleat engagement surface facing in said first direction ~~that is offset from said front cleat engagement surface~~ toward said pedal body and a rear pedal control surface facing in a forward direction of said pedal body, said rear pedal control surface having a generally convex shape forming a centrally located pivot; and
a bicycle shoe cleat selectively engageable with said pedal body via said first and second clamping members, said cleat including
a front attachment portion having a front coupling surface selectively engageable with said front engagement surface of said front clamping member and a front cleat control surface cooperating with said front pedal control surface to control movement of said front attachment portion of said cleat relative to said pedal,
a rear attachment portion having a rear coupling surface selectively engageable with said rear engagement surface of said rear clamping member and a rear cleat control surface cooperating with said rear pedal control surface to control movement of said rear attachment portion of said cleat relative to said pedal, and
a connecting portion connecting said front and rear attachment portions together.

~~, said front and rear clamping members and said front and rear attachment portions being configured to form a rear float pivot axis on a rear side of said center rotation axis and a front cleat release pivot axis on a front side of said center rotation axis when said cleat and said pedal are coupled together, said rear float pivot axis being substantially perpendicular to said rear cleat engagement surface.~~

2. (Currently Amended) The bicycle pedal assembly according to claim 1, wherein

said ~~pedal includes~~ front and rear pedal control surfaces and said ~~cleat includes~~ front and rear cleat control surfaces being configured and arranged cooperating with said front and rear pedal control surfaces to control movement of said cleat relative to said pedal to form a rear float pivot axis on a rear side of said center rotation axis and a front cleat release pivot axis on a front side of said center rotation axis when said cleat and said pedal are coupled together, said rear float pivot axis being substantially perpendicular to said rear cleat engagement surface.

Claims 3-14 (Cancelled).

15. (Currently Amended) The bicycle pedal assembly according to ~~claim 14~~ claim 1, wherein

said rear cleat pivot surface is a transverse surface with a generally concave curved center section that cooperates with the pivot of said rear pedal control surface.

16. (Currently Amended) The bicycle pedal assembly according to ~~claim 3~~ claim 1, wherein

said ~~front and rear cleat engagement surfaces are substantially parallel~~ generally convex shape of said rear pedal control surface has a pair of substantially planar surfaces that are arranged to at least partially form the centrally located pivot.

17. (Currently Amended) The bicycle pedal assembly according to ~~claim 16~~ claim 1, wherein

said front cleat engagement surface lies in a plane closer to said center rotation axis than said plane of said rear cleat engagement surface.

18. (Original) The bicycle pedal assembly according to claim 1, wherein said front pedal control surface includes a concave curved surface with a first radius of curvature and said front cleat control surface includes a convex curved surface with a second radius of curvature smaller than said first radius of curvature.

Claims 19 and 20 (Cancelled).

21. (Original) The bicycle pedal assembly according to claim 1, wherein said front clamping member is non-movably coupled to said pedal body.

22. (Original) The bicycle pedal assembly according to claim 21, wherein said front clamping member is integrally formed with said pedal body as a one-piece, unitary member.

Claim 23 (Cancelled).

24. (Currently Amended) The bicycle pedal assembly according to ~~claim 23~~ claim 1, wherein said rear clamping member is normally biased toward an engaged position by a biasing member arranged between said pedal body and said rear clamping member.

25. (Original) The bicycle pedal assembly according to claim 24, wherein said rear clamping member and said biasing member are mounted on a support pin that is coupled to said pedal body.

26. (Currently Amended) The bicycle pedal assembly according to ~~claim 1~~ claim 2, wherein said pedal and said cleat are configured such that said rear float pivot axis remains substantially aligned with a pedaling force center when said cleat floats relative to said pedal around said rear float pivot axis ~~to prevent accidental release of said cleat from said pedal.~~

Claim 27 (Cancelled).

28. (Currently Amended) The bicycle pedal assembly according to claim 1, wherein

said pedal and said cleat are configured such that said cleat floats about three degrees relative to said pedal in each direction around said rear float pivot axis as measured from a center longitudinal axis of said pedal passing through said first and second ends of said pedal and intersecting said rear float pivot axis, when said cleat and said pedal are coupled together.

29. (Currently Amended) A bicycle pedal comprising:

a pedal shaft having a first end adapted to be coupled to a bicycle crank and a second end with a center rotation axis extending between said first and second ends;

a pedal body rotatably coupled to said second end of said pedal shaft about said center rotation axis of said pedal shaft, said pedal body having a first end and a second end;

a front clamping member coupled to said first end of said pedal body, said front clamping member having a front cleat engagement surface facing in a first direction toward said pedal body and a front cleat control surface ~~extending substantially perpendicular to said front cleat engagement surface~~ facing in a rearward direction of said pedal body; and

a rear clamping member coupled to said second end of said pedal body, said rear clamping member having a rear cleat engagement surface facing in said first direction toward said pedal body and a rear cleat control surface ~~extending substantially perpendicular to said rear cleat engagement surface, said rear cleat engagement surface being offset from said front cleat engagement surface, said front and rear cleat control surfaces and said front and rear cleat engagement surfaces being configured to form a rear float pivot axis on a rear side of said center rotation axis and a front cleat release pivot axis on a front side of said center rotation axis~~ facing in a forward direction of said pedal body, said rear pedal control surface having a generally convex shape forming a centrally located pivot.

30. (Original) The bicycle pedal according to claim 29, wherein

said rear clamping member pivotally coupled to said pedal body for rotation about an axis substantially parallel to said center rotation axis.

31. (Currently Amended) The bicycle pedal according to ~~claim 30~~ claim 29, wherein

said rear clamping member is a rigid, non-wire member.

32. (Original) The bicycle pedal according to claim 30, wherein said rear clamping member is normally biased toward an engaged position by a biasing member arranged between said pedal body and said rear clamping member.

33. (Original) The bicycle pedal according to claim 32, wherein said rear clamping member and said biasing member are mounted on a support pin that is coupled to said pedal body.

Claims 34-36 (Cancelled).

37. (Currently Amended) The bicycle pedal according to ~~claim 36~~ claim 29, wherein said front cleat engagement surface lies in a plane closer to said center rotation axis than said plane of said rear cleat engagement surface.

38. (Original) The bicycle pedal according to claim 29, wherein said front clamping member is non-movably coupled to said pedal body.

39. (Currently Amended) The bicycle pedal according to ~~claim 38~~ claim 29, wherein said front pedal control surface of said front clamping member is integrally formed with said pedal body as a one piece, unitary member includes a centrally located concave surface.

Claim 40 (Cancelled).